FIG.1

RAM — 2

MPEG4
BITSTREAM   DSP   VIDEO OUTPUT
                                                   AUDIO OUTPUT

1

4
CONTROL
UNIT   ROM — 3

FIG.2

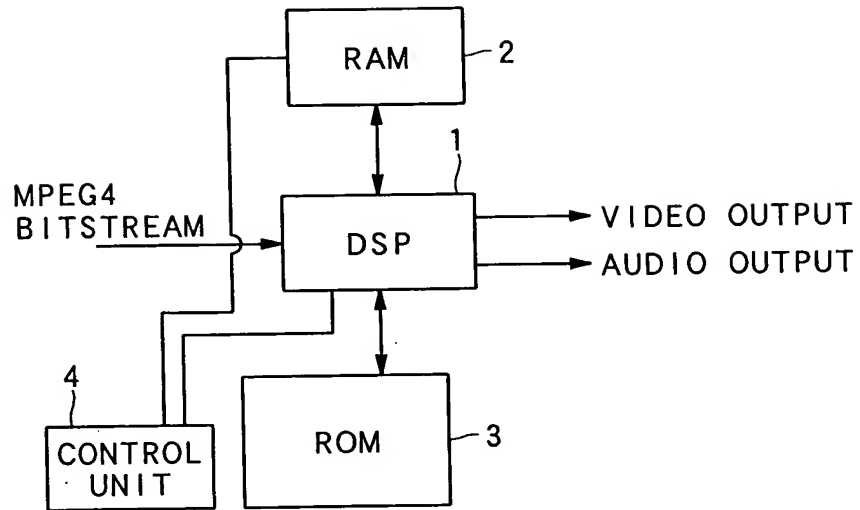| CODE	EVENT
10	A
01	B
001	C
1101	D

BIT SERIES : 00111011000101

(1)

FIG. 3A

· INSERTION OF RESYNCHRONIZATION MARKERS
  BASED ON A GENERATED BIT LENGTH

☒ RESYNCHRONIZATION
  MARKERS

FIG. 3B
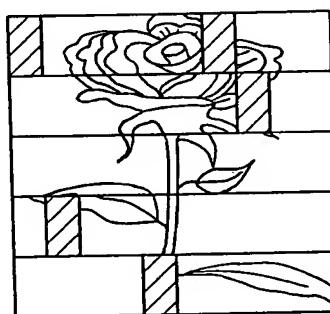
FIG. 4

CODE	EVENT
10	A
0101	B
0001	C
011100	D
011000	E
001100	F
001000	G
110	H
0000001	R.M (RESYNCHRONIZATION MARKER)

BIT SERIES : BFCGEH (R.M)

01010011000001001000011000110000001

(2)   (3)   (4)

FIG. 5

```
        ┌─────────┐
        │  START  │
        └─────────┘
             │
             ▼
┌───────────────────────────┐
│  START DECODING BETWEEN    │─── S1
│  RESYNCHRONIZATION MARKERS │
└───────────────────────────┘
             │
             ▼
┌───────────────────────────┐
│  SEARCH FOR NEXT           │─── S2
│  RESYNCHRONIZATION MARKER  │
└───────────────────────────┘
             │
             ▼
┌───────────────────────────┐
│         DECODE             │─── S3
└───────────────────────────┘
             │
             ▼
          ╱S4╲
        ╱       ╲
      ╱  ERROR    ╲      Y
     ╱  DETECTED?   ╲──────────┐
      ╲            ╱           │
        ╲       ╱              ▼
          ╲   ╱      ┌───────────────────┐
           │N        │  CONCEAL  ERROR   │─── S5
           │         └───────────────────┘
           │                   │
           │◄──────────────────┘
           ▼
┌───────────────────────────┐
│  END DECODING BETWEEN      │─── S6
│  RESYNCHRONIZATION MARKERS │
└───────────────────────────┘
             │
             ▼
        ┌─────────┐
        │   END   │
        └─────────┘
```
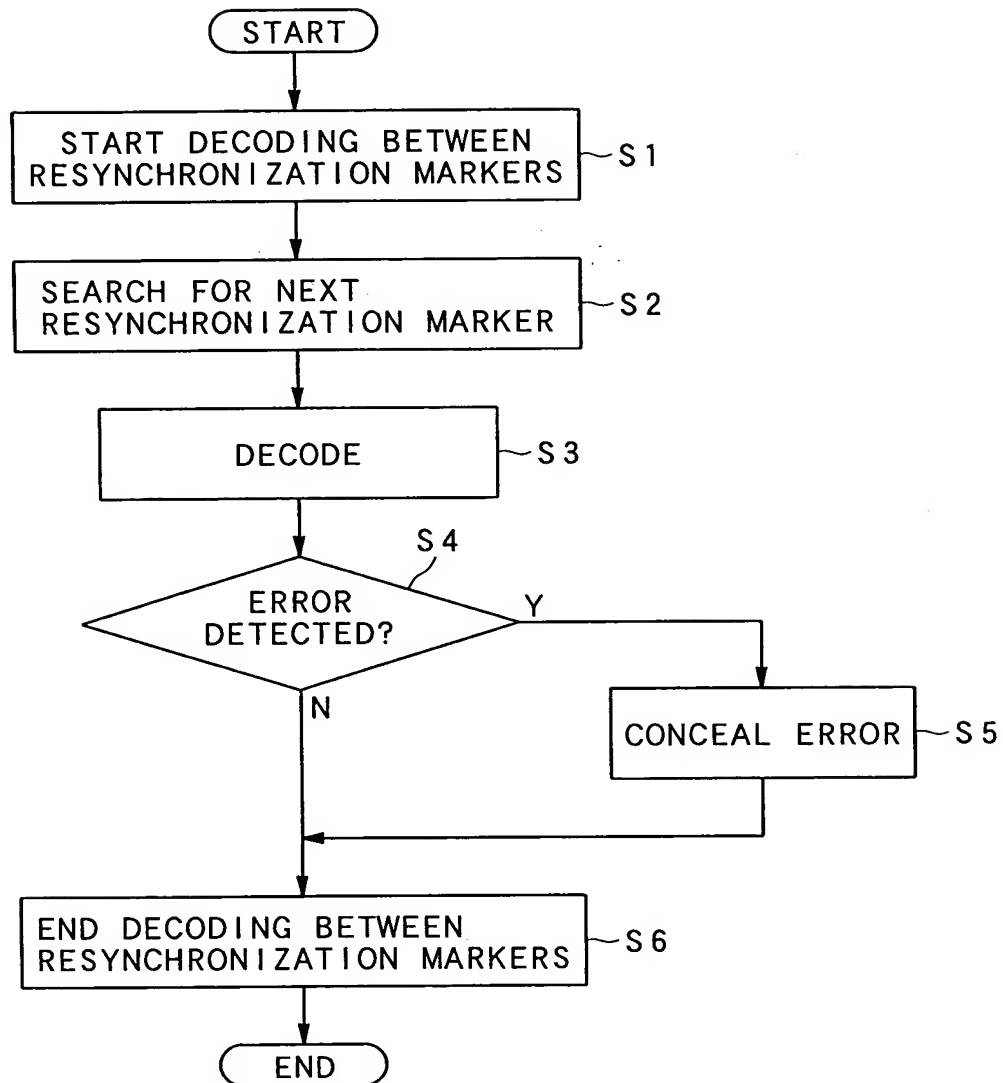
FIG. 6A

DECODED RESULT : BGCGEH (R.M)
0101 001000 0001 001000 011000 110 0000001

FIG. 6B

DECODED RESULT : BFFACAF X
0101 001100 001100 10 0001 10 001100 000001

FIG. 6C

DECODED RESULT : BFC XXX
0101 001100 0001 00101001100011 00000001

FIG.7

- DECODING ACCORDING TO USUAL VLC

X Error

- BIDIRECTIONAL DECODING ACCORDING TO RVLC

X Error
Error X

RESYNCHRONIZATION MARKER

ABANDONED DATA

FIG. 8

X : ERROR-DETECTED POSITION

a) RESYNC MARKER

b) ACTUAL ERROR POSITION

c) ABANDONED DATA

d) PORTION THAT CAN BE CORRECTLY DECODED AND PROCESSED

e) ERROR PORTION PROCESSED BY MISUNDERSTANDING THAT THIS PORTION IS CORRECTLY DECODED

1) CONVENTIONAL SYSTEM

2) PROPOSED SYSTEM

3) PROPOSED SYSTEM
(WHEN ENCODED ACCORDING TO RVLC)